

ABSTRACT

Secure transmission of data to an intended image output device, wherein the data can be used to generate an image at the intended image output device in the presence of an intended recipient.

The data is encrypted using a first key. The first key is then encrypted using a second key and a third key. The second key is a public key of a first private key/public key pair, a private key of the first private key/public key pair being primarily in the sole possession of the intended image output device. The third key is a public key of a second private key/public key pair, a private key of the second private key/public key pair being primarily in the sole possession of the intended recipient of the image. The encrypted data and the twice-encrypted first key are transmitted to the intended image output device. The twice-encrypted first key is then decrypted by using the private keys of the second and first key pairs, respectively, which are primarily in the sole possession of the intended recipient device and the intended image output device, respectively. The data is then decrypted and printed at an image output device.